

In re: Nercivan Kerimovska et al;
International Application No.: PCT/EP2003/012879
International Filing Date: November 14, 2003
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In the Claims:

This listing of the claims will replace all prior versions and listings of the claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus ~~(1) having, comprising:~~
a display ~~(2) for showing~~ configured to display various readable data, ~~comprising ; and~~
a control unit ~~arranged~~ configured to extract at least a part of the displayed readable
data for sending and configured to send the extracted part of the displayed data to a speech
generating device (5) for generating that is configured to generate speech from the extracted
part of the displayed data,

wherein the speech generating device ~~(5) being is~~ is attachable to the apparatus ~~(1),~~
~~characterised in that the control unit is arranged to extract a part of the readable data from~~
~~the display (2) and sending it to the speech generating device (5).~~

2. (Currently Amended) An apparatus according to ~~claims~~ claim 1,
~~characterised in that wherein~~ the control unit is ~~arranged~~ configured to automatically send
said extracted part of the ~~readable displayed~~ data, ~~such as a line or a word, at a time,~~
~~automatically~~ to the speech generating device ~~(5) at a fixed or~~ and/or controllable rate.

3. (Currently Amended) An apparatus according to ~~claims 1 or 2,~~ ~~characterised~~
~~in that claim 1, wherein~~ the control unit is ~~arranged~~ configured to send said extracted part of
the ~~readable displayed~~ data, ~~such as a line or a word, at a time,~~ to the speech generating
device ~~(5) in dependence of~~ based on scrolling in the display ~~(2).~~

4. (Currently Amended) An apparatus according to ~~claims 1, 2 or 3,~~
~~characterised in that claim 1, wherein~~ the ~~readable displayed~~ data includes ~~texts~~ text from
menus, text messages, help information, calendars ~~or~~ and/or confirmation of actions taken
with the apparatus ~~(1).~~

5. (Currently Amended) An apparatus according to ~~claims 1, 2, 3 or 4,~~
~~characterised in that~~ claim 1, wherein the control unit is ~~arranged~~ configured to send said
extracted part of the ~~readable~~ displayed data, ~~such as a line or a word, at a time,~~ to the speech
generating device ~~(5) in dependence of~~ based on inputting characters to the apparatus.

6. (Currently Amended) An apparatus according to ~~claims~~ claim 5,
~~characterised in that~~ wherein the control unit is ~~arranged~~ configured to send readable the
displayed data as ~~triggered by the~~ responsive to input of definite characters, ~~such as~~ including
letters, signs, spaces ~~or~~ and/or punctuation marks.

7. (Currently Amended) An apparatus according to ~~any one of claims 1 to 6,~~
~~characterised in that~~ claim 1, wherein the control unit is ~~arranged~~ configured to extract
readable the displayed data from a selected file and ~~sending it~~ automatically send the
displayed data to the speech generating device ~~(5)~~ at a fixed ~~or~~ and/or controllable rate.

8. (Currently Amended) A device ~~(5)~~ for generating speech, ~~characterised by~~
comprising:

a microcontroller ~~(6), connectable~~ configured to be connected to an apparatus
~~according to any one of claims 1 to 7, for receiving and~~ configured to receive data from said
apparatus to be converted to speech, ~~and sending the data to a conversion circuit (7); and~~

a conversion circuit coupled to the microcontroller and (7) connectable configured to
be connected to a speaker system ~~(9) for converting,~~

wherein the conversion circuit is configured to receive the data from the
microcontroller and convert the data to a speech signal.

9. (Currently Amended) A device according to claim 8, ~~characterised in that~~
wherein the data is ~~supplied~~ received as ASCII characters.

10. (Currently Amended) A device according to claim 8 ~~or 9,~~ ~~characterised in~~

that wherein the conversion circuit ~~(7) supports~~ is configured to support various selectable languages.

11. (Currently Amended) A device according to claim 10, ~~characterised in that wherein~~ the conversion circuit ~~(7) is capable of downloading~~ is configured to download languages via the connected apparatus.

12. (Currently Amended) A device according to ~~any one of claims 8 to 11~~ claim 8, ~~characterised in that wherein~~ the conversion circuit ~~(7) supports~~ is configured to support various selectable voices.

13. (Currently Amended) A device according to claim 12, ~~characterised in that wherein~~ the conversion circuit ~~(7) is capable of downloading~~ is configured to download voices via the connected apparatus ~~(1)~~.

14. (Currently Amended) A device according to ~~any one of claims 8 to 13~~ claim 8, ~~characterised in that the wherein~~ a speed of the speech signal is adjustable.

15. (Currently Amended) A device according to claim 8 ~~any one of claims 8 to 14~~, ~~characterised in that wherein~~ the microcontroller ~~(6) is connectable~~ is configured to be connected to a memory device containing language information, ~~such as including~~ various languages, abbreviation lists ~~and~~ and/or dictionaries.

16. (Currently Amended) A device according to ~~any one of claims 8 to 15~~ claim 8, ~~characterised in that wherein~~ the microcontroller ~~(6) is connectable~~ is configured to be connected to a memory device containing voice settings.

17. (Currently Amended) A device according to ~~any one of claims 8 to 16~~ claim 8, ~~characterised in that wherein~~ the microcontroller ~~(6) is connectable~~ is configured to be

connected to the apparatus (1) ~~by means of~~ via a system connector having an interface (10) for audio signals, serial channels, power leads ~~and~~ and/or analog and digital ground leads.

18. (Currently Amended) A device according to ~~claims~~ claim 17, ~~characterised~~ in that wherein the device ~~is implemented as~~ includes a functional cover[[,]] comprising a shell covering ~~the~~ a front of the apparatus (1) and a microprocessor cooperating with ~~the~~ a processor of the apparatus (1).

19. (Currently Amended) A device according to ~~any one of claims 8 to 18~~ claim 8, ~~characterised in that wherein~~ the ~~connectable~~ apparatus (1) ~~is~~ comprises a portable telephone, a pager, a communicator ~~or~~ and/or an electronic ~~organiser~~ organizer.

20. (Currently Amended) An apparatus (1) ~~having, comprising:~~
a display ~~for showing~~ configured to display various readable data, ~~comprising:~~
a control unit; and
a speech generating device ~~for generating speech comprising~~ including a conversion circuit ~~for converting~~ therein configured to convert received data to a speech signal and ~~connectable~~ configured to be connected to a speaker system (9; 11),
~~characterised in that wherein~~ the control unit arranged is configured to extract at least a part of the displayed readable data ~~from the display (2) for sending and send the extracted~~ part of the displayed data to the speech generating device (5).

21. (Currently Amended) An apparatus according to claim 20, ~~characterised in that wherein~~ the control unit is ~~arranged~~ configured to send said extracted part of the readable displayed data, ~~such as a line or a word, at a time,~~ automatically to the speech generating device (5) at a fixed ~~or~~ and/or controllable rate.

22. (Currently Amended) An apparatus according to ~~claims 20 or 21~~ claim 20, ~~characterised in that wherein~~ the control unit is ~~arranged~~ configured to send said extracted

part of the readable data, ~~such as a line or a word, at a time,~~ to the speech generating device
(5) ~~in dependence of~~ based on scrolling in the display (2).

23. (Currently Amended) An apparatus according to ~~claims 20, 21 or 22~~ claim 20,
~~characterised in that~~ wherein the readable displayed data includes ~~texts~~ text from menus, text
messages, help information, calendars ~~or~~ and/or confirmation of actions taken with the
apparatus (1).

24. (Currently Amended) An apparatus according to ~~claims 20, 21, 22 or 23~~ claim
20, ~~characterised in that~~ wherein the control unit is ~~arranged~~ configured to send said
extracted part of the readable displayed data, ~~such as a line or a word, at a time,~~ to the speech
generating device (5) ~~in dependence of~~ based on inputting characters to the apparatus.

25. (Currently Amended) An apparatus according to ~~claims~~ claim 24,
~~characterised in that~~ wherein the control unit is ~~arranged~~ configured to send readable ~~the~~
displayed data as ~~triggered by the~~ responsive to input of definite characters, ~~such as~~ including
letters, signs, spaces ~~or~~ and/or punctuation marks.

26. (Currently Amended) An apparatus according to ~~any one of claims 20 to 25~~
claim 20, ~~characterised in that~~ wherein the control unit is ~~arranged~~ configured to extract
readable ~~the displayed~~ data from a selected file and ~~sending it automatically~~ send the
displayed data to the speech generating device (5) at a fixed ~~or~~ and/or controllable rate.

27. (Currently Amended) An apparatus according to ~~any one of claims 20 to 26~~
claim 20, ~~characterised in that~~ wherein the speaker system (11) is integrated with the
apparatus.

28. (Currently Amended) An apparatus according to ~~any one of claims 20 to 27~~
claim 20, ~~characterised in that~~ wherein the data is ~~supplied~~ sent as ASCII characters.

29. (Currently Amended) An apparatus according to ~~any one of claims 20 to 28~~ claim 20, characterised in that wherein the conversion circuit supports is configured to support various selectable languages.

30. (Currently Amended) An apparatus according to claim 29, ~~characterised in that wherein the apparatus (1) is capable of downloading is configured to download~~ languages.

31. (Currently Amended) An apparatus according to ~~any one of claims 20 to 30~~ claim 20, characterised in that wherein the conversion circuit supports is configured to support various selectable voices.

32. (original) An apparatus according to claim 31, ~~characterised in that wherein the apparatus (1) is capable of downloading is configured to download~~ voices.

33. (Currently Amended) An apparatus according to ~~any one of claims 20 to 32~~ claim 20, characterised in that the wherein a speed of the speech signal is adjustable.

34. (Currently Amended) An apparatus according to ~~any one of claims 20 to 33~~ claim 20, characterised in that wherein the apparatus (1) is connectable is configured to be connected to a memory device containing language information, such as including various languages, abbreviation lists and and/or dictionaries.

35. (Currently Amended) An apparatus according to ~~any one of claims 20 to 34~~ claim 20, characterised in that wherein the apparatus (1) is connectable is configured to be connected to a memory device containing voice settings.

36. (Currently Amended) An apparatus according to ~~any one of claims 1 to 7 and~~

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20 to 35 claim 1, ~~characterised in that~~ wherein the apparatus is comprises a portable telephone, a pager, a communicator ~~or~~ and/or an electronic ~~organiser~~ organizer.

37. (Currently Amended) A computer program product comprising a computer readable storage medium having computer readable program code embodied therein, the computer readable program code configured to be loaded ~~loadable~~ into the internal memory of an apparatus (1) having a display for showing various readable data, the computer readable program code comprising:

computer readable program code configured ~~characterised by comprising software code portions~~ to achieve the functionality of the apparatus ~~in accordance with any one of claims 20 to 36 of claim 20.~~

38. (Canceled).